

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

SERIAL NO.:           **10/697,412**                      CONFIRMATION NO.:   **7240**  
APPLICANT:           **Chen et al.**  
FILED:                **October 30, 2003**  
GROUP ART UNIT:   **3746**  
EXAMINER:           **Frantz, Jessica L.**  
Attorney Docket No.: **3303-23**  
Customer No.:       **30448**  
  
FOR:                **Surface Micromachined Mechanical Micropumps and Fluid Shear Mixing,  
Lysing, and Separation Microsystems**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

DATE: September 14, 2007

**RESPONSE AND PETITION FOR THREE MONTH EXTENSION OF TIME**

Sir:

In response to the Office Action dated March 16, 2007, please consider the following comments:

**Claim Listing** begins on page 2 of this paper; and

**Remarks** begin on page 10 of this paper.